GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA

UNSTARRED QUESTION NO:3970
ANSWERED ON:23.12.2015
Mumbai SAFAR
Mahajan Smt. Poonam

Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether the System of Air Quality Forecasting and Research (SAFAR) has been set up in the city of Mumbai by India Meteorology Department (IMD);

(b) if so, the details thereof including the components, its locations across the city, benefits and the amount of funds spent in setting up SAFAR; and

(c) whether emission inventories for Mumbai SAFAR has been developed for toxic gases and particulates and if so, the details thereof?

Answer

THE MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)

(a) Yes Madam. System of Air Quality and weather Forecasting and Research (SAFAR) is jointly set-up by Indian Institute of Tropical Meteorology (IITM), Pune and India Meteorological Department (IMD).

(b) The SAFAR provides site specific information on Air Quality in near real time and its forecast for the next 24 hours. It is complemented with the weather monitoring and forecasting system designed by the India Meteorological Department (IMD) for the city of Mumbai.

Air Quality Monitoring Station (AQMS) are located at 10 stations at Colaba, Vile Parle, Worli, Bhandup, Borivali, Malad Malvan, Chembur, Sion/Dharawi, Vasai-Virar and Navi Mumbai. A grant of Rs. 22.61 Crores was made available for commissioning SAFAR-Mumbai system.

(c) Yes Madam. The emission inventory which account for all known sources of pollutants are developed for Mumbai metropolitan region for 2 families of pollutants viz. (1) for particulate matters (PM10 and PM2.5) and Black Carbon and (2) Gaseous pollutants namely, NOx, CO, SO2 and total Volatile organic compounds (VOCs).

SAFAR system involves 4 major components (1) Establishing Air Quality and Weather Monitoring Network (2) customizing air quality and weather forecasting model (3) Emission inventory development for the city (4) Disseminating air quality and weather information products in terms of Air Quality Index (AQI), through Digital Display boards, SAFAR web portal (safar.tropmet.res.in), IVRS Toll Free No-18001801717, Mobile App-SAFAR-AIR.